

Grade: _____

Name: _____

10

Date: _____

Weekend Word Problem #8: Two-Step Equations

Remember: Weekend Word Problems are worth TWICE a regular homework.

***This problem is graded on EFFORT and COMPLETION, not accuracy.**

The Situation: Nick bought T-shirt for twenty-eight dollars and five pairs of socks. He spent a total of fifty-eight dollars. How much did each pair of socks cost?

1. Define a Variable: Choose a variable that represents the cost of one pair of socks.

Let _____ = cost of one pair of socks.

2. Write an Equation: Fill in the values for the equation that represents the situation.

5_____ + 28 = _____

(Hint: Your first blank is your variable; your second blank is the total cost.)

3. Solve the Equation:

4. Check via Substitution:

TURN PAPER OVER!

5. Writing: How did you solve the equation? Explain and JUSTIFY each step using algebraic terms and specific numbers from your equation.

*If you were unable to solve the equation, please write about what you attempted to do and any struggles you had.

*A minimum of THREE complete sentences is required.
